

01/18/02  
U.S. PTO  
1055 U.S. PTO

01-22-02

A  
PTO/SB/05 (12/97)

Please type a plus sign (+) inside this box →

Approved for use through 09/30/00. OMB 0651-0032

Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

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**UTILITY  
PATENT APPLICATION  
TRANSMITTAL**

(Only for new nonprovisional applications under 37 CFR 1.53(b))

Attorney Docket No.

TI-32536

First Named Inventor or Application Identifier

Craig T. Salling, et al.

Title ESD Improvement by a Vertical Bipolar Transistor with Low Breakdown Voltage and High Beta

Express Mail Label No.

EL 547743733US

2051639

01/18/02

**APPLICATION ELEMENTS**

See MPEP Chapter 600 concerning utility patent application contents

1.  \*Fee Transmittal Form (e.g., PTO/SB/17)  
(Submit an original, and a duplicate for fee processing)

2.  Specification [Total Pages 28]

- Descriptive title of the Invention
- Cross References to Related Applications
- Statement Regarding Fed sponsored R&D
- Reference to Microfiche Appendix
- Background of the Invention
- Brief Summary of the Invention
- Brief Description of the Drawings (if filed)
- Detailed Description
- Claim(s)
- Abstract of the Disclosure

3.  Drawing(s) (35 USC d113) [Total Sheets 2]

4. Oath or Declaration [Total Pages 1]

a.  Newly Executed (original or copy)

b.  Copy from a prior application (37 CFR §1.63(d))  
(for continuation/divisional with Box 17 completed)

[Note Box 5 below]

i.  **DELETION OF INVENTOR(S)**  
Signed statement attached deleting inventor(s)  
named in the prior application,  
see 37 CFR §1.63(d)(2) and 1.33(b).

5.  Incorporation By Reference (useable if Box 4b is checked)  
The entire disclosure of the prior application, from which a copy of  
the oath or declaration is supplied under Box 4b, is considered as  
being part of the disclosure of the accompanying application and is  
hereby incorporated by reference therein.

17. If a CONTINUING APPLICATION, check appropriate box and supply the requisite information below and in a preliminary amendment:

Continuation     Divisional     Continuation-in-part (CIP)

of prior application No:

Prior application information: Examiner \_\_\_\_\_

Group / Art Unit: \_\_\_\_\_

**18. CORRESPONDENCE ADDRESS**



Customer Number or Bar Code Label

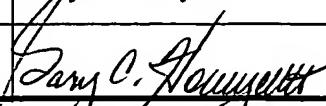
23494

or



Correspondence address below

NAME			
ADDRESS			
CITY	STATE	TX	ZIP CODE
COUNTRY	TELEPHONE	(972) 238-7160	FAX (972) 238-7013

Name (Print/Type)	Gary C. Honeycutt	Registration No. (Attorney/Agent)	20,250
Signature			
	Date	1-18-02	

Borden Hour Statement: This form is estimated to take 0.2 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Box Patent Application, Washington, DC 20231.

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**FEE TRANSMITTAL**

Patent fees are subject to annual revision on October 1.

These are the fees effective October 1, 1997

Small Entity payments must be supported by a small entity statement, otherwise large entity fees must be paid. See Forms PTO/SB-09-12.  
Express Mailing Label No.: EL547743733US**Complete If Known**

Application Number	TBD
Filing Date	Herewith
First Named Inventor	Craig T. Salling, et al.
Examiner Name	TBD
Group / Art Unit	TBD
Attorney Docket No.	TI-32536

TOTAL AMOUNT OF PAYMENT

(\$ 740.00)

**METHOD OF PAYMENT**

1.  The Commissioner is hereby authorized to charge to the following Deposit Account,

Deposit Account Number

20-0668

Deposit Account Name

Texas Instruments Incorporated

Charge any additional fee required or credit any overpayment       Charge all indicated fees and any additional fee required or credit any overpayment

2.  Payment Enclosed:

Check     Money Order     Other

**FEE CALCULATION (continued)****3. ADDITIONAL FEES**

Large Fee Code	Entity Fee (\$)	Small Fee Code	Entity Fee (\$)	Fee Description	Fee Paid
105	130	205	65	Surcharge - late filing fee	
127	50	227	25	Surcharge - late provisional filing fee or cover sheet.	
139	130	139	130	Non-English specification	
147	2,520	147	2,520	For filing a request for reexamination	
112	920*	112	920*	Requesting publication of SIR prior to Examiner action	
113	1,840*	113	1,840*	Requesting publication of SIR after Examiner action	
115	110	215	55	Extension for reply within first month	
116	380	216	200	Extension of time within second month	
117	870	217	475	Extension of time within third month	
118	1,360	218	755	Extension of time within fourth month	
128	1,850	228	1,030	Extension of time within fifth month	
119	300	219	155	Notice of Appeal	
120	300	220	155	Filing a brief in support of an appeal	
121	260	221	135	Request for oral hearing	
138	1,510	138	1,510	Petition to institute a public use proceeding	
140	110	240	55	Petition to revive - unavoidable	
141	1,210	241	660	Petition to revive - unintentional	
142	1,210	242	660	Utility issue fee (or reissue)	
143	430	243	225	Design issue fee	
144	580	244	335	Plant issue fee	
122	130	122	130	Petitions to the Commissioner	
123	50	123	50	Petitions related to provisional applications	
126	240	126	240	Submission of Information Disclosure Stmt.	
581	40	581	40	Recording each patent assignment per property (time number of properties)	
146	760	246	395	Filing a submission after final rejection (37 CFR 1.129(a))	
149	760	249	395	For each additional invention to be examined (37 CFR 1.129(b))	

**FEE CALCULATION****BASIC FILING FEE**

Large Fee Code	Entity Fee (\$)	Small Fee Code	Entity Fee (\$)	Fee Description	Fee Paid
501	710	201	395	Utility filing fee	\$740
506	310	206	165	Design filing fee	\$
507	480	207	270	Plant filing fee	\$
508	760	208	395	Reissue filing fee	\$
514	150	214	75	Provisional filing fee	\$
SUBTOTAL (1)				(\$740)	

**EXTRA CLAIM FEES**

		Extra Claims	Fee from below	Fee Paid
Total Claims	19	-20** =	0 x 18 =	0
Independent Claims	3	-3** =	0 x 84 =	0
Multiple Dependent			260 =	

\*\*or number previously paid, if greater; For Reissue, see below

Large Fee Code	Entity Fee (\$)	Small Fee Code	Entity Fee (\$)	Fee Description
103	18	203	11	Claims in excess of 20
102	80	202	41	Independent Claims in excess of 3
104	260	204	135	Multiple dependent claims in excess of 3
109	78	209	41	**Reissue independent claims over original patent
110	18	210	11	**Reissue claims in excess of 20 and over original patent
SUBTOTAL (2)				(\$0)

Other fee (specify) \_\_\_\_\_

Other fee (specify) \_\_\_\_\_

\*Reduced by Basic Filing Fee Paid

SUBTOTAL (3)

0

Complete (if applicable)

SUBMITTED BY	Gary C. Honeycutt	Reg. Number	20,250
Typed or Printed Name			
Signature	<i>Gary C. Honeycutt</i>	Date	1-18-02
			Deposit Account User ID